

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2617	(257/690-690,730-733).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/14 14:21
S2	2398	(LED) and (copper with substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 13:55
S3	129	(LED) and (copper with substrate) and (second adj substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 14:23
S4	1780	(257/99).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 14:38
S5	11	257/99.ccls. and (copper) and (second adj substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/11 09:53
S6	12	257/79-103.ccls. and (copper with ceramic with substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 17:16
S7	11	257/79-103.ccls. and (LED with (second adj substrate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 17:45
S8	5	"257"/\$.ccls. and ((light adj emitting adj diode) with (second adj substrate) with (first adj substrate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 17:52
S9	34	((light adj emitting adj diode) with (second adj substrate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/10 17:52

## EAST Search History

S10	241	257/99.ccls. and (copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 15:53
S11	32	257/79-103.ccls. and (copper) and (second adj substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/11 10:47
S12	2	("4012833").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/08/11 10:48
S13	58354	(light adj emi\$4) and (copper saem substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 13:56
S14	2592	(light adj emi\$4) and (copper same substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 13:56
S15	75	(light adj emi\$4 adj device) and (copper same substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 14:21
S16	152	(light adj emi\$4 adj device) and (copper same (Al2O3 or AlN or Al or aluminum or SiN))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 15:08
S17	18	(light adj emi\$4 adj device) and (copper same (Al2O3 or AlN or Al or aluminum or SiN) same heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 14:24
S18	508	257/99,98,95,79,81.ccls. and (copper) and (aluminum or (aluminum adj oxide) or (Aluminum adj nitride) or (silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 15:13

## EAST Search History

S19	279	257/99,98,95,79,81.ccls. and ((copper) with (aluminum or (aluminum adj oxide) or (Aluminum adj nitride) or (silicon adj nitride)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 15:13
S20	43	257/99,98,95,79,81.ccls. and ((copper) with (aluminum or (aluminum adj oxide) or (Aluminum adj nitride) or (silicon adj nitride)) with (substrate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 16:11
S21	65	"257"/\$.ccls. and ((copper) near (adhesion adj layer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 16:39
S22	2	("20020175339").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/21 16:39
S23	3	"257"/\$.ccls. and ((LED) with ceramic with copper)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 14:28
S24	4045	"257"/\$.ccls. and (copper) and (alumina or aluminum or (silicon adj nitride) or (aluminum adj oxide) or (AlO) or (AlN)) and (light adj emi\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 15:56
S25	4045	"257"/\$.ccls. and (copper) and (alumina or aluminum or (silicon adj nitride) or (aluminum adj oxide) or (AlN)) and (light adj emi\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 15:57
S26	2248	"257"/\$.ccls. and ((copper) with (alumina or aluminum or (silicon adj nitride) or (aluminum adj oxide) or (AlN))) and (light adj emi\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 15:57
S27	221	"257"/\$.ccls. and ((copper) with (alumina or aluminum or (silicon adj nitride) or (aluminum adj oxide) or (AlN)) with substrate) and (light adj emi\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 16:40
S28	221	"257"/\$.ccls. and ((light adj emit\$4) with (second adj substrate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 16:52

## EAST Search History

S29	0	"257"/\$.ccls. and ((light adj emitter) near3 (silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 16:53
S30	1	"257"/\$.ccls. and ((light adj emitter) with (silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 16:55
S31	2	("6480389").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 16:57
S32	501	"257"/\$.ccls. and ((light adj emit\$4) with (aluminum adj oxide or aluminum adj nitride or silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 17:00
S33	61	"257"/\$.ccls. and ((light adj emit\$4) near3 (aluminum adj oxide or aluminum adj nitride or silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 17:19
S34	3	"257"/\$.ccls. and ((light adj emit\$4) with (aluminum adj oxide or aluminum adj nitride or silicon adj nitride) with pad)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 17:00
S35	39	"257"/\$.ccls. and PCB with alumina	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 17:21
S36	143	"257"/\$.ccls. and ((printed adj circuit adj board) with alumina)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:23
S37	0	"257"/\$.ccls. and (ESD with diode with (Aluminum adj (nitride or oxide)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:25
S38	0	"257"/\$.ccls. and (ESD with diode with (silicon adj nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:33

## EAST Search History

S39	14882	"257"/\$.ccls. and (Aluminum adj (oxide or nitride))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:34
S40	71	"257"/\$.ccls. and (Aluminum adj (oxide or nitride)) with (reflectiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:34
S41	0	"257"/\$.ccls. and (Aluminum adj (oxide or nitride)) with (good adj reflectiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:35
S42	36	"257"/\$.ccls. and (Aluminum adj (oxide or nitride)) with (reflectiv\$4) and (light aDJ EMIT\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/01 19:35